

Proposed Action – Operation Phase

The EIS will analyze three horizontally launched concept vehicles and three vertically launched concept vehicles

Vertical Vehicles

Concept V1 vehicles consist of a single stage rocket in which the rocket stage and payload or crew/passenger module return separately to Earth by parachute.

Concept V2 vehicles consist of a single stage rocket in which the rocket stage returns to Earth by parachute and a crew/passenger module returns with a powered or unpowered horizontal landing.

Concept V3 vehicles consist of a single stage rocket with rocket powered vertical landing.



Concept V3 Vehicle

Horizontal Vehicles

Concept H1 vehicles use jet powered take off with rocket engine ignition from the air and powered horizontal landing.

Concept H2 vehicles use rocket powered take off and flight and unpowered horizontal landing.

Concept H3 vehicles are carried aloft via assist aircraft with rocket engine ignition from the air and unpowered horizontal landing.



Concept H2 Vehicle



Concept H3 Vehicle